

5/25

SPLIT

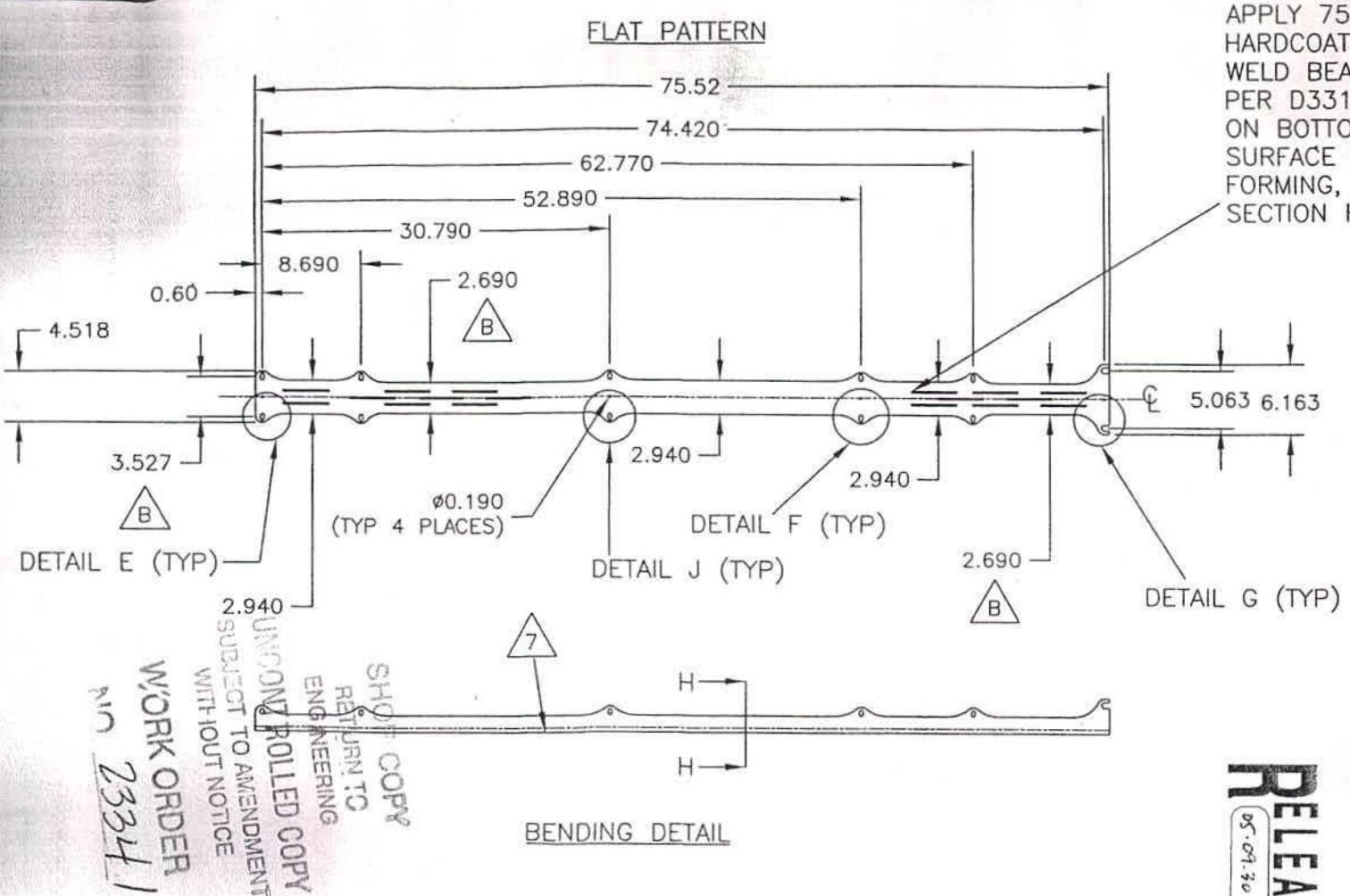
| | | |
|---|--------------|---------|
| DART AEROSPACE LTD | Work Order: | 23341 |
| Description: Wearplate 2011/05/10 03 | Part Number: | D3319-3 |
| Dwg: D3319 Rev. A page 2 | Qty: | 204 |

Page 1 of 1

| Step | Location | Procedure | By | Date | Qty |
|------|----------|--|-----|----------|-----|
| 1 | DC | Issue Traveler | | 05.06.13 | 20 |
| 2 | PG | Issue P/O: 2008792 Email or Ship DXF file to vendor Laser Cut flat pattern per Dwg D3319 Possible Supplier: Industrial Laser Material release note is required | AS | 05/10/11 | 20 |
| 3 | RG | Receive and inspect for transit damage Ensure material release note is attached | CL | 05/10/15 | 20 |
| 4 | QC6 | Inspect dimensions as per inspection template D3319-3T1 | | 05-11-15 | 20 |
| 5 | GA | Deburr if necessary | | | |
| 6 | GB | Form using DT8326 & DT8261 as per Dwg D3319 Dwg Rev: B | SP | 05/11/15 | 19 |
| 7 | QC6 | Inspect dimensions as per Dwg D3319 | | 05-11-16 | 19 |
| 8 | WS | Weld hard surface using D3319-3T2 as per QSI 004 and Dwg D3319 Dwg Rev: B Qty Part Number Description Batch A/R N/A 7560 Hardcoat Rod M18952 | CPL | 05.11.23 | 4 |
| 9 | QC9 | Inspect weld | | 05/11/23 | 4 |
| 10 | FP | Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3 | FC | 05/11/23 | 4 |
| 11 | QC3 | Inspect Powder Coat | | 05/11/23 | 4 |
| 12 | ST | Identify on inside surface using a permanent fine point marker with the following: TCCA-PDA, Dart Aerospace Ltd. P/N: D3319-3, B/N: BXXXXX For Product Eligibility see PDA04-18 and Stock | SP | 05/11/24 | 4 |
| 13 | AC | Cost / part: | CPL | 05/11/24 | 4 |
| 14 | DC | Close W/O Inspect Level 21 | | 05/11/24 | 4 |

| Rev | Date | Change | Revised By | Approved |
|-----|----------|-----------|------------|----------|
| A | 05.05.12 | New issue | KJ/JLM | |

PRELIMINARY ISSUE



APPLY 756U
HARDCOAT
WELD BEADS
PER D3319-3T1
ON BOTTOM
SURFACE AFTER
FORMING, SEE
SECTION H-H

DART

RELEASED
05-04-30

| DESIGN | DRAWN BY | DART AEROSPACE LTD |
|----------|----------|-----------------------------|
| CHECKED | APPROVED | HAWKESBURY, ONTARIO, CANADA |
| DATE | | DRAWING NO. |
| | | D3319 |
| 05.06.06 | | TITLE |
| | | WEARPLATE |
| | | REV. B |
| | | SHEET 2 OF 5 |
| | | SCALE |
| | | 1:15 |

D3319-3 WEARPLATE

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 18 GAUGE (0.048 THICK)
- 2) FINISH: POWDER COAT GREY SANTEX (REF.4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) PART IS SYMMETRICAL ABOUT CENTERLINE
- 5) ALL DIMENSIONS IN INCHES
- 6) WELD PER DART QSI 004
- 7) IDENTIFY ON INSIDE SURFACE AS INDICATED USING FINE POINT PERMANENT INK MARKER:
"TCCA-PDA, DART AEROSPACE LTD., P/N D3319-3 B/N BXXXXX,
FOR PRODUCT ELIGIBILITY SEE PDA05-18"

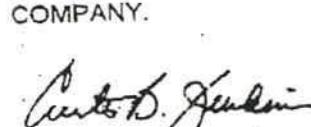


California Steel Industries
14000 San Bernardino Ave.
Fontana, California 92335
Ph (909) 350-6300

CERTIFIED TEST REPORT

| | | | | |
|--|--|----------------------------|---|----------------------------------|
| <p>Fontana, California 92336 Ph (909) 350-6300</p> | | | | |
| STOMER ORDER PS0614ME002 | MO. NUMBER 02-8344-01 | SHIPPING DATE 08/01/05 | CAR NUMBER RR: WCTR142061 | TALLY NUMBER PO 250499136 1 / |
| B ILL T O | WILKINSON STEEL AND METALS A DIVISION OF PREMETAL CO., INC. 888 S.E. MARINE DR., VANCOUVER BC, CANADA, V5X2V3 | S H I P T O | WILKINSON STEEL-METALS C/O GARY R. HAMILTON TRUCKING 888 S.E. MARINE DR., VANCOUVER BC, CANADA | BC V5Y 2 |

MARK ALL DOCUMENTS W/P.O. P50614ME002. FAX TALLIES AT TIME OF SHIPMENT TO MEL ELIAS FAX #604-301-3244.

| | | | | | |
|--|--|-------------|-----------------------------|-------------|--|
| END: USE: | WAREHOUSE STOCK - NON-CRITICAL SURFACE | | | | |
| PROD | H.R. COILS - P & O - PRIME | | | | |
| SPEC | ASTM-A-1011-00-CS-TYPE B | | | | |
| T/R 1 | INSPECTION MILL | DESCRIPTION | COILS, PIECES OR BUNDLES | HEAT NUMBER | |
| .0605 x 48.0000 x COIL NOM ME | | 1 1 | T42354 T42348 | | |
| I CERTIFY THE FOLLOWING TEST INFORMATION TO BE CORRECT AS CONTAINED IN THE RECORDS OF THE COMPANY. | | | | | |
|  CURTIS B. Jenkins CHIEF - LABORATORY SERVICES | | | | | |

I CERTIFY THE FOLLOWING
TEST INFORMATION TO BE
CORRECT AS CONTAINED
IN THE RECORDS OF THE
COMPANY.

Curtis B. Jenkins

CHIEF - LABORATORY SERVICES

| MECHANICAL PROPERTIES | | | | | | | CHEMICAL ANALYSIS | | | | | | | | | | 10:48:05 | 08/01/05 | CC | | |
|--------------------------|----------------|-------------|--------------|----------------------------|-----------------|----|-------------------|----|-----|------|------|------|-----|-----|-----|-----|----------|----------|------|------|------|
| HEAT OR LOT NUMBER | SLAB NUMBER | L O C | YIELD KSI | TENSILE STRENGTH KSI | % ELONGATION | | BEND TEST | C | Mn | P | S | Si | Cu | Ni | Cr | Mo | Al | V | Cb | Ti | N |
| | | | | | 8" | 2" | | | | | | | | | | | | | | | |
| T42354 | | | | | | | | 08 | .39 | .010 | .006 | .006 | .01 | .01 | .01 | .00 | .050 | .000 | .000 | .000 | .002 |
| T42348 | | | | | | | | 08 | .38 | .014 | .010 | .007 | .01 | .01 | .01 | .00 | .046 | .000 | .000 | .001 | .003 |

STR-001-PTLUC32E 980712



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Glenbrook, South Auckland
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Telephones: (09) 375 8999 / 375 8111, Auckland
(09) 235 8058 / 235 3535 Waitemata
Fax: (09) 375 8959

TEST CERTIFICATE

Ref: 5210/22496

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|------------------------------|----|-------------|----|---------------|----|---------------------|----|----|---|----------------|----|--------------|---|------|-------|------|-------|--------|------|------|-------|-----------|--------|----------|---|------------------|------|------|
| CUSTOMER | | Weldson | | 450323P1001 | | SPECIFICATION | | ASTM A108 CS Type A | | | | CERTIFICATE No | | TC112396 | | | | | | | | | | | | | | | | |
| CUSTOMER O/N | | 90-21N-686 | | PRODUCT | | | | CRA WIDE COIL | | | | PAGE | | 1 of 1 | | | | | | | | | | | | | | | | |
| MILL O/N | | 480736 | | DIMENSIONS | | | | 0.844" x 48" x 100 | | | | DATE | | 09 June 2005 | | | | | | | | | | | | | | | | |
| PACK NUMBER | | CHEMICAL COMPOSITION PERCENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HEAT No | | C | Si | Mn | P | S | Cu | Ni | Cr | Mo | V | Nb | Ti | Al | B | N2 | CE() | x100 | x1000 | x10000 | x100 | BEND | YIELD | T.S. | KELONG | HARDNESS | r | LENGTH (feet) | | |
| | | x100 | | | | | | | | | | | | | | 180° | | G.L. | | HRB | | () | | ASTM A370 | | | | | | |
| R9-460748-00 | | 642185 | 5 | TR | 20 | 7 | 16 | 11 | 17 | 19 | 1 | 4 | 1 | 1 | | | | | | | | | | | | | | | | |
| R9-460749-00 | | 642185 | 5 | TR | 20 | 7 | 16 | 11 | 17 | 19 | 1 | 4 | 1 | 1 | | | | | | | | | | | | | | 50 | 1968 | |
| R9-461119-00 | | 642185 | 5 | TR | 20 | 7 | 16 | 11 | 17 | 19 | 1 | 4 | 1 | 1 | | | | | | | | | | | | | | 50 | 1913 | |
| R9-461120-00 | | 642185 | 5 | TR | 20 | 7 | 16 | 11 | 17 | 19 | 1 | 4 | 1 | 1 | | | | | | | | | | | | | | 47 | 1926 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 | 1713 |

| | | | | | |
|---|--|---|--|---|---|
| YIELD: (A)=0.2% PROOF STRESS (B)=LOWER YIELD STRESS | GAUGE LENGTH (G.L.) (A)=200mm (C)=80mm (B)=50mm (D)=5.65" So (F)=8" | PLASTIC STRAIN RATIO (r) (A)=0 (C)=r45 (B)=90 (D)=(r0+r90+2r45)/4 | IMPACT TEST (A)=10mm x 10mm (B)=7.5mm x 10mm (E)=5mm x 10mm | (C)=5mm x 5mm (D)=2.5mm x 10mm (E)=5mm x 10mm | CARBON EQUIVALENT VALUE (CE) (A)=C+Mn/6 (B)=C+Mn/6+(Cr+V+Mo)/5+(Cu+Ni)/15 (C)=C+Mn/6+Si/24 (D)= |
|---|--|---|--|---|---|

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND INSPECTED
WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION

APPROVED *Santosh Misra*
QC METALLURGIST